



226504X
July 30, 2020

Mr. William J. Oldenburg, PE
Assistant Director of Project Development
Chairman, Consultant Selection Committee
New Hampshire Department of Transportation
william.oldenburg@dot.nh.gov

Re: Statewide On-Call Construction Engineering and Inspection Services, Prequalified List of Consultants for Locally-administered Local Public Agency (LPA) Qualifications-Based Selection Contracts

Dear Mr. Oldenburg:

In response to the Department's posting for consultants to provide Statewide On-Call Construction Engineering and Inspection Services, DuBois & King (D&K) is providing our Letter of Interest. Established in 1962, DuBois & King is a 130-person engineering firm with offices in New Hampshire, Vermont, Maine, and New York. D&K maintains a year-round, full-time construction department with experienced construction managers and residents/inspectors who provide construction phase services for a wide range of federally-funded and municipally- and state-managed projects. D&K's staff have extensive experience providing engineering, inspection, and environmental services for NHDOT, MaineDOT, and VTrans projects.

Providing inspectors who have hands-on NHDOT and LPA experience is critical to understanding projects, and minimizing delays and conflicts and we are presenting an available team to the NHDOT that meets these requirements. D&K has local presence provided by our Bedford, Laconia, and Keene offices.

D&K employs full-time and seasonal residents/inspectors. D&K understands that some projects require part-time inspection, and D&K has the flexibility to utilize LPA-certified office staff who are experienced in construction inspection requirements to fill this role. On project assignments, D&K provides the experience, responsiveness, and proper level of support expected by NHDOT. Through 20 years of consecutive retainer contracts for General Environmental Services for the Vermont Agency of Transportation, our firm has specialized expertise in the identification, assessment, and natural resources documentation for transportation projects, as well as monitoring for permit compliance. D&K's NH Certified Wetland Scientist has 33 years of focused environmental services for transportation projects.

We appreciate your consideration of our Letter of Interest and would welcome an opportunity to submit a proposal for Statewide LPA Construction Engineering and Inspection Services. If you have any questions, please do not hesitate to contact me at 877.448.3457 or cgoodling@dubois-king.com.

Very truly yours,
DuBois & King, Inc.

A handwritten signature in blue ink, appearing to read 'Charles Goodling', is written over a faint, larger signature.

Charles Goodling, PE, LPA
Senior Vice President
Director, Construction Department

DUBOIS & KING (D&K) has been providing construction administration, resident engineering and related services to New Hampshire municipalities and NHDOT for decades. This includes dozens of successful projects administered through the Local Public Agency (LPA) program and the Municipal Bridge Aid program since each program's inception. Over this period, D&K's Construction Department has developed and expanded a team of professionals who have practical experience with the specific requirements of the LPA program as identified in "Section 27 - Construction Phase" of the LPA Manual. D&K has a clear understanding of the requirement and expectations for delivering construction inspection services on LPA projects. A description of our understanding follows.

Upon selection, D&K will initiate the following activities:

- **Review the Contract Documents.** Obtain and review a copy of the Contract Documents in order to understand the scope and duration of the project, the type of construction activities involved, materials testing requirements, and any special conditions or permit-related requirements specific to this project.
- **Draft a Scope of Services.** Develop a draft scope of services and corresponding budget for review with the client and NHDOT LPA representative.
- **Select the Most Qualified Roadway or Bridge Construction Inspector.** D&K will review its list of inspectors and match the experience and skills of an individual Inspector with the project-specific requirements.

Once concurrence has been reached with all parties and the engineering services agreement has been executed, D&K will initiate services. Based on our experience on past LPA and transportation projects, D&K has a strong understanding of construction-related items that we will manage right from the onset of the construction phase through to successful project completion:

PROJECT COMMUNICATIONS AND DOCUMENTATION.

D&K's approach to a successful construction project stresses good documentation and clear lines of communication. A typical scope of work includes biweekly or monthly construction progress meetings during the construction period to review project status and address current issues. D&K's Inspector will attend these meetings along with our Construction Manager, the contractor, representatives from the municipality, and other interested project parties. D&K's Inspector will record and distribute meeting minutes. It is expected that less formal project coordination meetings, which will be attended by our Inspector, will occur on site on a more frequent basis.

SCHEDULE. The D&K Inspector will check that the project schedule is updated by the contractor on a biweekly basis and will maintain frequent communications with the municipality with regard to planned weekly construction activities and overall project schedule.

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). Our Inspector will become familiar with project-specific erosion/sediment control requirements. The contractor will be instructed to address deficient erosion control measures observed as construction proceeds.



NHDOT and LPA Experience.

The staff members presented are available to serve NHDOT and LPA projects and bring recent and ongoing knowledge of NHDOT staff expectations, NHDOT requirements, and LPA guidelines. This experience means that the NHDOT and the municipalities that D&K works with benefit from pre-established lines of communication and a familiarity with NHDOT, NHDES, USACE, FHWA, and other guidance, which minimizes project delays and conflicts.

VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL. Most projects are located on or near roads, intersections and/or pedestrian areas and will temporarily impact the traveling public. The Contract Documents will require the contractor to maintain vehicular traffic during the construction period, monitoring and providing for safe pedestrian movement through the site, and maintaining access to adjacent properties. During construction, the safety of pedestrians, cyclists, and motorists will be addressed through the implementation, maintenance, and monitoring of the contractor's pedestrian and traffic control plan. Traffic control will follow MUTCD and NHDOT standards.

MATERIALS SAMPLING AND TESTING. D&K's Inspector is responsible for arranging the required testing for the project by an independent qualified laboratory. Our Inspector will observe required testing and review test results in accordance with NHDOT and LPA manual requirements.

FIELD MEASUREMENTS. Calculations and verification of field contract quantities will be accomplished by actual field measurements. D&K's Inspector will make field measurements of all appropriate pay items. We will assist in making sure that quantities/costs are being tracked properly to allow efficient review and contractor payment. These are to be a daily responsibility of the Inspector with direct communication with the contractor.

CONTRACTOR APPLICATIONS OF PAYMENT. The Contract Documents provide for contractor payment for installed and accepted work on a biweekly interval. Reviewing payment applications is important and requires careful review and oversight by D&K. Our Inspector will work with the contractor's superintendent to reach concurrence on the quantity installed for each pay item during the payment period. These quantities are summarized on an application for payment form and include a statement from the contractor that the work covered in the application for payment has been performed in accordance with the Contract Documents. D&K will review the payment application, will check quantities and payment amount, and once everything is in order, will forward the application to the client with a pay recommendation.

COMPLIANCE WITH FEDERAL AND STATE LABOR REQUIREMENTS. All LPA projects must adhere to federal labor compliance requirements through NHDOT's Office of Federal Compliance (OFC). D&K will oversee the flow of information provided by the contractor including items such as weekly certified payroll from the general contractor and all subcontractors, wage requests for additional labor categories as required by a specific project, payment restitution measures, and work classification/payment verification through selected worker interviews.

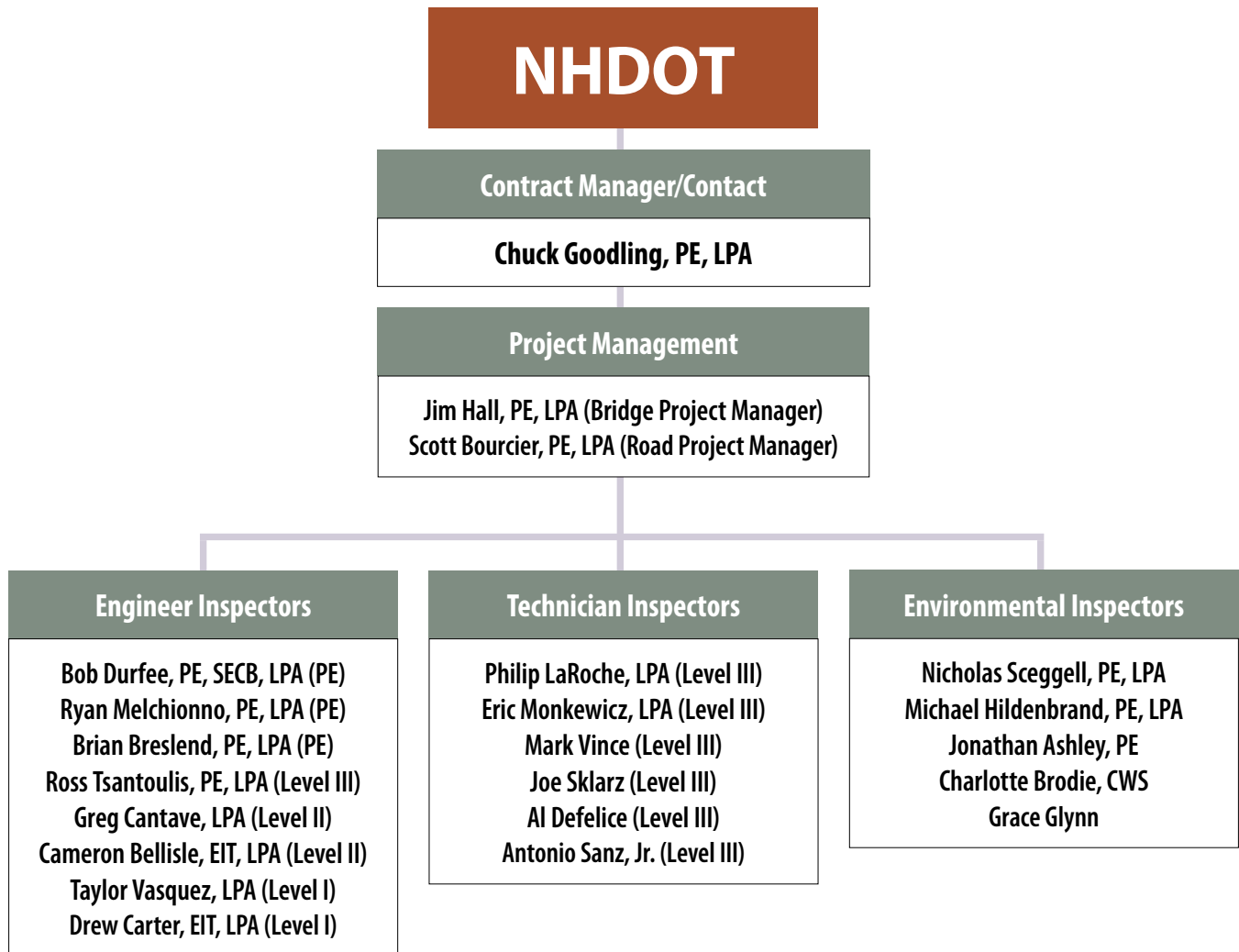
RECORD DRAWINGS. D&K's Inspector will maintain a set of plans for the project to record changes in the design and record drawing conditions, to reflect field conditions encountered, and to approve change orders. These plans will be maintained on site, with record information from the contractor, to be presented to the municipality as a record of the constructed project upon completion.



New Hampshire Presence

D&K's Bedford, Keene, and Laconia offices include a total of 20 civil, transportation, and survey staff. D&K has advanced the completion of numerous projects for NH-DAS, including leading construction observation for the Concord Steam Conversion Project serving the NH State House and 16 other State facilities.

Organizational Chart



Team Summary

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Contract Manager			
Chuck Goodling	Professional Engineer, LPA	33	31
Chuck directs D&K's Construction Department and has served as Project Manager for the construction phase of numerous federally-funded roadway, utility, bridge, and facility projects throughout New Hampshire and the Northeast.			
Project Manager			
Jim Hall	Professional Engineer, LPA	20	2
Jim manages D&K's Bridge Department and has provided construction administration and observation for Bridge Aid, MOBRR, and other federally-funded projects. He is proficient in bridge inspection, design, load rating, and construction—including Accelerated Bridge Construction—for conventional bridges as well as historic steel, covered, masonry, and unconventional timber bridges.			
Scott Bourcier	Professional Engineer, LPA	21	16
Scott has managed numerous NH LPA pedestrian, roadway, and traffic calming projects. He has provided construction administration and observation for many of these projects as well as supported Bridge Aid Projects. As an on-call municipal engineer, Scott also provides plan review and construction observation for a wide range of projects.			
Professional Engineer			
Bob Durfee	Professional Engineer, LPA, Structural Engineer Certification Board	40	14
Bob has managed the successful completion of dozens of Bridge Aid projects and is a former NHDOT employee. He provides national-level expertise in the restoration of covered and other historic bridges.			
Brian Breslend	Professional Engineer, LPA	13	13
Brian is an experienced highway engineer who brings hands-on experience in the design and construction phases of locally-managed multimodal and vehicle-focused transportation projects.			
Ryan Melchionno	Professional Engineer, LPA	14	1
Ryan provides practical construction administration and observation experience of municipally-, state-, and federally-funded roadway, rail, and bridge projects throughout New Hampshire and New England.			
Ross Tsantoulis	Professional Engineer, LPA	13	3
Ross frequently provides construction administration and observation services for air and surface transportation projects. His experience extends to significant drainage, site, and roadway projects for the US armed forces.			
Technician Inspector III			
Philip LaRoche	LPA	40	10
Phil is an experienced inspector who has provided full-time observation of numerous D&K Bridge Aid projects.			
Joseph Sklarz	NETTCP - HMA	40	7
Joe has provided inspection on roadway, utility, and slope protection projects throughout the Northeast.			
Antonio Sanz, Jr.	NETTCP - HMA, ACI, Confined Space Cert., Nuclear Gauge Cert., OSHA HAZWOPER	20	20
Antonio has provided inspection and CADD design for roadways, historic bridges, airports, dams, and slopes.			
Mark Vince	NETTCP - HMA, ACI, Nuclear Cert., LPA	26	9
As a D&K inspector, Mark has provided inspection for numerous state- and municipally-managed roadway, bridge, historic bridge, and airport projects throughout the Northeast.			
Eric Monkewicz	LPA	8	3
Eric is a skilled technician familiar with the construction and design of site, roadway, and aviation projects.			
Zach Cook	NETTCP - HMA, ACI, Nuclear Cert.	13	13
Zach brings hands-on experience observing construction of bridges, roadways, sites, and dams as well as serving as a CADD technician for these projects. He also has two years of experience serving in a state materials testing lab.			

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Al DeFelice	NETTCP - HMA, Nuclear Cert.	35	4
Al has senior-level experience providing construction observation on complex, multi-package urban construction projects throughout the Northeast as well as serving as a contractor's superintendent and municipal DPW.			
Peter Bull	NETTCP - HMA, ACI, Nuclear Cert.	26	15
As a former NHDOT employee, Pete's professional experience largely consists of construction phase engineering and observation for a wide range of surface and air transportation projects.			
Engineer Inspector II			
Cameron Bellisle	Engineer in Training, LPA	5	4
Cameron is a civil engineer with experience evaluating, designing, and providing full- and part-time inspection of roadway, interstate, and bridge projects. Cameron served as an NHDOT employee prior to joining D&K.			
Greg Cantave	LPA	13	5
Greg has senior-level construction observation and design experience with municipal roadways, interstate highways, bridges, signals, airports, and site projects throughout New Hampshire and Vermont.			
Engineer Inspector I			
Taylor Vasquez	LPA	4	4
Taylor has experience providing construction observation and design for utility bridge, site, and roadway projects.			
Drew Carter	Engineer in Training, LPA	4	1
Drew's professional experience includes observing construction of municipally-managed infrastructure projects throughout New Hampshire as well as design of roadway, utility, and dam projects.			
Environmental Inspector			
Nick Sceggell	Professional Engineer, LPA	16	8
Nick manages the firm's Laconia office and has significant construction administration and observation experience for roadway, utility, utility bridge, drainage, and site projects throughout New Hampshire.			
Michael Hildenbrand	Professional Engineer, LPA, OSHA HAZWOPER, 8-Hour Confined Space, Entry Confined Supervisor, Stormwater Management Certificate, University of New Hampshire	19	4
Michael directs the firm's Environmental Documentation and Permitting Division and has advanced stormwater, dam, environmental, and site projects throughout New Hampshire and Vermont.			
Charlotte Brodie	NH Certified Wetland Scientist	33	32
Charlotte has served a lead role in more than 10 wetland mitigation site projects as well as providing construction inspection and environmental monitoring for permit compliance for US highway, bridge, dam, and airport projects.			
Jon Ashley	Professional Engineer, Qualified Environmental Professional, OSHA HAZWOPER	27	4
Jon directs the firm's Public Works and Facilities division and is thoroughly experienced in the construction phase as well as the development and design of brownfield, water/sewer/stormwater, roadway, bridge, and slope projects.			
Grace Glynn		5	1
Grace has a diverse background in botany, forestry, invertebrate biology, ornithology, microbiology, macrobiology, and environmental monitoring and observation for a wide range of construction, site restoration, and research-based projects throughout the Northeast and the western US.			

SUBCONSULTANTS: DuBois & King has the in house capacity to provide all anticipated consulting services for LPA contracts; the firm will engage of a qualified, reputable subcontractor firms for services such as materials testing.

References

SCOTT MYERS

City Manager
City of Laconia
45 Beacon Street E., City Hall
Laconia, NH 03246
603.527.1270
citymanager@laconianh.gov

PROJECT: Main Street Bridge Rehabilitation (SBA)



DAVID STACK

Town Manager
10 Grandview Road
Bow, NH 03304
603.228.1187 ext. 110
townmgr@bow-nh.gov

PROJECTS: 4 SBA Projects,
1 Pedestrian Crossing Project,
and 1 State Aid Highway
Project, Bow. plan review and
construction observation.



D&K has served as Bow's Town Engineer since December 2011. Services also include formal and informal site visits to respond to emergencies and short- and long-term projects; transportation planning; and engineering to support capital improvement planning.

DAVID ATHERTON

Town Manager
Town of Brandon
49 Center Street
Brandon, VT 05733
802.247.3635 ext. 210
datherton@townofbrandon.com



PROJECTS: Brandon US 7, Segment 6 (FHWA NH) - D&K (7 staff on-site full-time for three years) provided construction inspection for Brandon U.S. Route 7, Segment 6, a \$20M, one-mile-long utility and roadway project in an urban context. D&K also provided construction observation for rehabilitation of a historic stone masonry bridge carrying US 7 and a 278-ft bypass culvert with a sloped, tapered inlet and baffle blocks immediately adjacent to the Segment 6 project.



APPENDIX: Professional Resumes

Following are descriptions of relevant project assignments for selected upper and mid-level staff.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Contract Manager			
Charles Goodling	Professional Engineer, LPA	33	31
<p>Marlboro Street Reconstruction, Keene, NH. (LPA) Principal-in-Charge for the design of 4,700 feet of utilities and road reconstruction in an urban commercial/residential area. The project includes the use of chicanes and other multimodal safety improvements.</p> <p>Keating-Birchwood Neighborhood Roadway Reconstruction, Dover, NH. (MUNICIPALLY FUNDED) Project Director for construction and design phases of a \$2.9M complete streets, roadway, and utility project.</p> <p>US 7 Segment 6 Roadway Reconstruction, Brandon, VT. (FHWA NH) Principal-in-Charge for a 7-person construction phase team over a three-year period on a \$20M project.</p> <p>City-wide Construction Inspection Contract, Lebanon, NH. (MUNICIPALLY FUNDED) Project Manager responsible for construction administration and oversight of the firm's observation for site and infrastructure projects.</p> <p>Statewide Construction Inspection (successive contracts), VTrans. (FEDERAL AND STATE FUNDS) Contract Manager responsible for management of firm resources; main point of contact to VTrans for state projects.</p>			
Professional Engineer			
Jim Hall	Professional Engineer, LPA	20	2
<p>NH 113 Bridge, (ABC) Tamworth. (NHDOT) Senior Bridge Engineer for a \$2.3M project that constructs a 133-ft-long, 1-span bridge using ABC techniques.</p> <p>NH 12A Bridge, Lebanon. (MOBRR) Lead Bridge Engineer for a \$7M project that replaces a state highway bridge over the NH Railroad.</p> <p>Dunklee Road Bridge and NH 3A Intersection, Bow. (BRIDGE AID, STATE AID HIGHWAY) Project Manager responsible for leading construction administration and observation as well as design services for a bridge rehabilitation and a new signalized intersection.</p> <p>Jenkins Road Bridge Replacement, Bedford, NH. (SBA) Senior Bridge Engineer responsible for structural design, specifications, estimates and plan development. This project consisted of the replacement of three pipe culverts with a 28-ft-long precast concrete rigid frame.</p> <p>Bunker Hill Road Bridge, Hill. (SBA) Project Manager responsible for leading a project that replaces a failing voided slab superstructure with scoured abutments. The replacement superstructure uses precast concrete deck beams, and the project also rehabilitates the abutments.</p>			
Scott Bourcier	Professional Engineer, LPA	21	16
<p>SRTS Sidewalks, Claremont. (LPA) Project Manager responsible for leading construction admin and observation as well as design services for a pedestrian enhancement project.</p> <p>Road Diet Painted Pedestrian Facilities, Keene. (LPA) Project Manager responsible for leading construction admin and observation as well as design services for the first residential road diet project in New Hampshire.</p> <p>Route 130 TE Sidewalk, Brookline, NH. (LPA) Quality Assurance/Quality Control review for 4,800 LF of new sidewalk in a commercial/residential area.</p>			

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Robert Durfee	Professional Engineer, LPA, Structural Engineer Certification Board	40	14

Main Street Bridge Rehabilitation, Laconia. (SBA)

Project Manager for the rehabilitation and redesign of a three-span curved steel stringer vehicle and utility bridge over the Winnepesaukee River in a confined urban context. The project included complex construction phasing to meet structural needs as well as needs of the traveling public, downtown merchants, and event organizers. *The project received the Overall Award for Engineering Excellence from ACEC-NH.*

Village Covered Bridge, Wentworth. (SBA AND MUNICIPALLY MANAGED)

Project Manager for the inspection, transportation, and rehabilitation of a covered recreation bridge with a 6-ton capacity. *The project received awards from ACEC-NH, SENH, and Plan-NH.*

Lilac Pedestrian Bridge, Hooksett. (SBA AND MUNICIPALLY MANAGED)

Project Manager for the fast-tracked evaluation, design, and construction phase of a project that replaced a failing bridge with a 490-ft-span steel truss. *The project received a Silver Award for Engineering Excellence from ACEC-NH.*

NH 12A Bridge, Lebanon. (MOBRR)

Project Manager for a \$7M project that replaces a state highway bridge over the NH Railroad.

Brian Breslend	Professional Engineer, LPA	13	13
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Lahaye Drive Shared Use Pathway, Lebanon. (LPA)

Project Engineer responsible for survey, design, permitting of an approximately 1000-ft section of multi-use path.

NH 12A Bridge, Lebanon. (MOBRR)

Senior Roadway Engineer for a \$7M project that replaces a state highway bridge over the NH Railroad.

Gale River Loop Road & Bridge Reconstruction, USDA Forest Service, White Mountain National Forest, Bethlehem, NH. (USDA FOREST SERVICE)

Transportation Engineer for a design-build reconstruction of a portion of Gale River Loop Road and four bridges.

Bethel Mountain Road Slope Stabilization, Rochester, VT. (FHWA ER)

Project Manager responsible for advancing construction, design, and permitting of a 2,800-LF roadway repair project in fewer than six months. *The project received a Grand Award for Engineering Excellence from ACEC-VT.*

Ryan Melchionno	Professional Engineer, LPA	14	1
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Bunker Hill Road Bridge, Hill. (SBA)

Bridge Engineer and Resident Project Representative responsible for part-time observation of contractor's activities. The project replaces a failing voided slab superstructure with scoured abutments. The replacement superstructure uses precast concrete deck beams, and the project also rehabilitates the abutments.

Bunker Hill Road Bridge, Tamworth. (MUNICIPALLY FUNDED)

Bridge Engineer and Resident Project Representative responsible for part-time observation of contractor's activities. The project replaces a short-span, undersized culvert at the end of its service life with a steel stringer and concrete deck on new abutments.

New Crashwall, Framingham Secondary Line at Bridge F-6-3 over Route 1, Foxborough, MA.

Project Engineer for the design and construction inspection for a new 11-ft reinforced concrete crashwall to protect an existing bridge pier as part of a larger project that added a new railroad track adjacent to an existing railway.

Emergency and Priority Repairs of the North Washington St. Bridge, Boston, MA.

Periodically provided construction observation and routinely provided engineering support services to project engineers and managers as required to meet our duty as an "on-call engineering consultant" for this heavily deteriorated moveable through-truss built in 1900 until a replacement bridge could be completed.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Ross Tsantoulis	Professional Engineer, LPA	13	3
Taxiway A Reconstruction and Extension, Dillant-Hopkins Airport, Keene. (NHDOT BLOCK GRANT) Senior Engineer responsible for supporting design and construction of taxiway and drainage improvements.			
NH 108, Durham-Newmarket. (NHDOT) Civil Engineer responsible for supporting design and construction of a roadway reconstruction with bike lanes.			
River Road Slope Stabilization, Caribou, ME. (FEMA) Civil Engineer responsible for leading design of a rapid response to a roadway embankment failure serving several residences approximately 100 feet above a river.			
Technician Inspector III			
Phillip LaRoche	LPA	40	10
Northwood Road Bridge Replacement, Strafford. (SBA) Provided full-time construction observation for replacement of the Northwood Road Bridge.			
Village Road Bridge and Sutton Road Bridge, Newbury. (SBA) Provided full-time observation for replacement of the Village Road Bridge, which is a concrete deck superstructure supported by concrete-encased steel stringers spanning 29.5 ft. Sutton Road Bridge is a concrete deck superstructure supported by concrete steel stringers spanning 37 ft.			
Saunders Hill Road Truss Bridge, Wentworth, NH. (SBA) Resident Project Representative for repairs to a historic steel truss bridge.			
Archertown Road Bridge, Orford. (SBA) Provided full-time construction observation of a precast rigid frame bridge that replaced a failing metal plate arch.			
Joseph Sklarz	NETTCP - HMA	40	7
Keating-Birchwood Area Reconstruction, Dover. (MUNICIPALLY FUNDED) Construction Inspector responsible for full-time observation of a project that reconstructs water and sewer utilities, roadway, sidewalks, retaining walls and LID drainage features.			
Bethel Mountain Road Slope Stabilization, Rochester, VT. (FHWA ER) Construction Inspector responsible for observing construction of a 2,800-LF roadway repair project in fewer than six months. <i>The project received a Grand Award for Engineering Excellence from ACEC-VT.</i>			
Site Development and Utility Installation, 12 Morgan Drive, Lebanon. (Municipally Funded) Provided full-time observation on behalf of the City for civil and utility components of a 28-unit, housing project.			
Antonio Sanz, Jr.	NETTCP - HMA, ACI, Confined Space Cert., Nuclear Gauge Cert., OSHA HAZWOPER	20	20
Bridge Rehabilitation, Whittier Covered Bridge, Ossipee, NH. (SBA) Technician responsible to support the construction of repairs to a 133-ft-long historic covered bridge.			
Bridge Rehabilitation, Bump Covered Bridge, Campton, NH. (SBA) Technician responsible to support the construction of repairs to a historic covered bridge.			
Bridge Rehabilitation, Pier and Wright's Covered Bridges, Newport, NH. (SBA) Technician responsible to support the construction of repairs to two historic covered rail bridges.			

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Mark Vince	NETTCP - HMA, ACI, Nuclear Cert., LPA	26	9

Dunklee Road Bridge Rehabilitation and Intersection Reconstruction, Bow, NH. (SBA AND SAH)

Resident Project Representative responsible for full time construction observation. The traffic component of this project aligns the intersection for large trucks and installs a new signalized intersection. The bridge component rehabilitates a 20-ft buried rigid frame and widens the crossing by 30 ft.

US Route 7 Segment 6 Construction Inspection, Brandon, VT. (FHWA NH)

Resident Project Representative for full-time construction inspection services for a major roadway and underground infrastructure reconstruction project through the heart of downtown Brandon.

Central Street Stone Masonry Bridge Rehabilitation, Brandon, VT. (FEDERAL AND STATE FUNDS)

Resident Project Representative for rehabilitation of a historic concrete bridge carrying US 7/Central Street.

Al Defelice	Certified Compliance Inspector of SWPPP, NETTCP - HMA, Nuclear Cert.	35	4
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US 4 Combined Sewer Overflow (CSO) Projects, NHDOT, Lebanon, NH. (NHDOT AND MUNICIPAL FUNDS)

Inspector for CSO projects ranging in value from \$3 – \$7M, some of which were constructed concurrently.

US 7 Segment 6 Roadway Reconstruction, Brandon, VT. (FHWA NH)

Inspector for a 7-person construction phase team over a three-year period on a \$20M project.

Peter Bull	NETTCP - HMA, ACI, Nuclear Cert.	26	15
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Road and Bridge Construction Projects, Various Locations, NH. (AS AN NHDOT EMPLOYEE)

Served as inspector for drainage, road, and bridge work; wetland mitigation sites; pavement markings; curbing; guardrail; water and sewer lines; conduit; and right-of-way bounds. Performed testing on gradations, compactions, test strips, and proctors on roadway sections and embankments. Monitored construction site for safety.

Altaria Third Party Construction Observation, Lebanon. (MUNICIPALLY FUNDED)

Inspector responsible for construction observation and administration on behalf of the City for construction of an 8-lot Industrial Planned Unit Development (IND-PUD).

Wetland Mitigation, Burlington International Airport. (FAA)

Inspector responsible for observing construction of a 50-acre wetland mitigation site to compensate for unavoidable wetland impacts for the expansion/development of general aviation and cargo areas at the south end of the airport.

Engineer Inspector II

Cameron Bellisle	Engineer in Training, LPA	5	4
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Main Street Bridge, Laconia. (SBA)

Engineer responsible for providing observation and construction administration for rehabilitation and redesign of a three-span curved steel stringer vehicle and utility bridge over the Winnepesaukee River in a confined urban context. The project included complex construction phasing to meet structural needs as well as needs of the traveling public, downtown merchants, and event organizers. *The project received the Overall Award for Engineering Excellence from ACEC-NH.*

Lilac Pedestrian Bridge, Hooksett. (SBA AND MUNICIPALLY FUNDED)

Engineer responsible for full-time observation; tracking quantities and costs; checking for conformance to plans and specifications, and coordinating field decisions. Provided shop drawing and submittal review and acceptance.

Birchdale Road Bridge, Bow. (SBA)

Engineer supporting the evaluation and replacement of a 26-ft clear, precast concrete 3-sided rigid frame superstructure and wingwalls supported on steel piles driven to ledge.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Environmental Inspector			
Nick Sceggell	Professional Engineer, LPA	16	8
Marlboro Street Reconstruction, Keene, NH. (LPA)			
Project Manager for the design of 4,700 feet of utilities and road reconstruction in an urban commercial/residential area. The project includes the use of chicanes and other multimodal safety improvements.			
Town Beach Water Quality and Drainage Improvements, Sanbornton. (MUNICIPALLY FUNDED)			
Project Engineer for improvements to the Town's beach on Lake Winnisquam. Services included field survey, a drainage study, stormwater design according to Best Management Practices (BMP), and permitting with NHDES in accordance with Shoreland Protection Act requirements. Implemented underground stormwater storage, a bioretention area (rain garden), a vegetated treatment swale, and a series of retaining walls to minimize erosion.			
Lilac Pedestrian Bridge, Hooksett, NH. (SBA AND MUNICIPALLY MANAGED)			
Environmental Engineer for the fast-tracked evaluation, design, and construction phase of a project that replaced a failing bridge with a 490-ft-span steel truss. Responsible for wastewater forcemain and pumping design. <i>The project received a Silver Award for Engineering Excellence from ACEC-NH.</i>			
Michael Hildenbrand	Professional Engineer, LPA	19	4
Depot Street Stormwater, Charlestown, NH. (MUNICIPALLY FUNDED)			
Project Manager to evaluate a failing municipal stormwater system. Prepared hydraulic analysis of the system using AutoCAD's Hydraflow Storm Sewer Extension. Developed recommendations for the Town to advance the reconstruction of a new subsurface stormwater storage system that included two 8-ft diam. x 70-ft-long pipes.			
Dean Memorial Airport, North Haverhill, NH. (NHDOT BLOCK GRANT)			
Environmental Engineer for completion and submission of MSGP and SWPPP permits for this facility.			
Charlotte Brodie	NH Certified Wetland Scientist	33	32
Main Street Bridge Rehabilitation, Laconia. (SBA)			
For a project that replaced a complex three-span bridge, served as a Wetlands Scientist to provide wetland permitting assistance, rare, threatened and endangered species research and support for the NH DES Wetlands permit. <i>This project was designated as the overall winner of the annual ACEC-NH Engineering Excellence competition.</i>			
Construction Observation Services at 9 Wetland Mitigation Sites, South Burlington, Bennington, Wilmington, East Montpelier, Swanton, and Essex, VT. (FHWA, FAA, AND OTHER FUNDS)			
Environmental Inspector, coordinated with Resident Engineer in regard to quantities, grading, quality of materials, approval of substitutions, and EPSC plan compliance. Documented permit compliance and reported to USACE and VT ANR. Responsible for completing permit amendments and coordinating regulatory agencies' inspections.			
Jon Ashley	Professional Engineer, Qualified Environmental Professional, OSHA HAZWOPER	27	4
Bethel Mountain Road Slope Stabilization, Rochester, VT. (FHWA ER)			
Project Director for a fast-tracked roadway and slope reconstruction project.			
Closed Landfill, Randolph, NH. (MUNICIPALLY FUNDED)			
Project Manager for landfill monitoring and reporting at Randolph Closed Landfill. Coordination with laboratory and field staff on annual sampling requirements. Coordinated testing for PFAS and evaluated the results.			
Site Investigation and CAP, Montpelier-Berlin Bike Path, Montpelier, VT. (FEDERAL AND STATE FUNDS)			
Environmental Engineer for a Phase II ESA on a former automotive maintenance site bisected by two railroad rights of way. Soil sampling showed evidence of petroleum, polycyclic aromatic hydrocarbons, and low-level VOC contamination. Designed a capping system to prevent human exposure to contaminated soils on the site.			

APPENDIX: Applicable Work Experience

PROJECT	LOCATION	CONSTRUCTION	STUDY	DESIGN	PERMITTING	BID PHASE
LPA (TA/TE/CMAQ, etc.)						
South Main Street Sidewalks and Bridge	Brookline					
SRTS Sidewalks	Claremont					
Pedestrian Crossing	Newmarket					
Road Diet Painted Pedestrian Facilities	Keene					
Marlboro Street	Keene					
NH 130 Sidewalks	Brookline					
SRTS Sidewalks	Hillsborough					
Alvah Wilson Road Sidewalks and Bridge	Gilford					
Lahaye Drive Shared Use Pathway	Lebanon					
SRTS Sidewalks	New Ipswich					
State Aid Highway						
Dunklee Road/NH 3A Intersection	Bow					
Municipal Bridge Aid and MOBRR						
South Road Bridge	Harrisville					
NH 12A Bridge	Lebanon					
Dunklee Road Bridge	Bow					
Birchdale Road Bridge	Bow					
Lilac Pedestrian Bridge	Hooksett					
First Crown Point Road Bridge	Strafford					
Converse Road Bridge	Temple					
Main Street Bridge,	Laconia					
Archertown Road Bridge	Orford					
Northwood Road Bridge	Strafford					
Evans Road Bridge	Wentworth					
Sutton Road Bridge	Newbury					
Places Mill Road Bridge	Alton					
Village Road Bridge	Newbury					
Fremont Road Bridge	Fremont					
Belknap Mountain Road Bridge	Gilford					
Borough Road Bridge	Hill					
Towle Road Bridge	Chester					
Croydon Road Bridge	Grantham					
Cass Mill Road Bridge	Hill					
Ridge Road Bridge	Nashua					

To provide a detailed overview of D&K's experience for each project type, D&K has included select project descriptions on the following pages, including photographs.



The Main Street Bridge included complex construction phasing (numbered above) to virtually eliminate full roadway and waterway closures as well water, sewer, and electrical utility interruptions. D&K's construction team partnered closely with the City, businesses, and event organizers throughout construction.

MAIN STREET BRIDGE, LACONIA. D&K provided construction administration and observation as well as study and design for the rehabilitation of the Main Street Bridge, the primary crossing over the Winnepesaukee River and predominant access in and out of the downtown area. The bridge consists of three distinct and separate bridge structures that each carry a City street. The three streets and bridge structures converge at a point to make one overall bridge structure at the street intersections. The spans include a 137-ft, 80-ft-wide curved bridge, constructed in 1968; a 75-ft by 69-ft-wide structure, constructed in 1970 and a 137-ft-long, 70-ft-wide, curved bridge, constructed in 1968. *ACEC-NH awarded this project the overall Award for Engineering Excellence.*

US 7 SEGMENT 6 ROAD RECONSTRUCTION, BRANDON, VT. From 2017-2020, D&K provided a team of seven full-time construction administration and observation staff for a \$20M municipally-managed, federally-funded urban roadway and utility reconstruction project, which included full-box roadway replacement, stormwater collection and filtration system replacement, sidewalk replacement, park redevelopment, water and sewer service replacement, intersection and signal improvements, bridge rehabilitations, and lighting upgrades. This complex and confined 1-mile-long project required coordination with over 100 abutters in a mixed-use, historic commercial and residential downtown area. This project followed the Vermont equivalent of the New Hampshire LPA Process: the Municipal Assistance Bureau (MAB) Process. *In terms of monetary value, this is the largest municipally-managed MAB project constructed to date.*



NH 130 SIDEWALKS, BROOKLINE. D&K provided construction observation and administration for a sidewalk project along Route 130, totaling 4,800 LF. The sections of sidewalk connect the Town's safety complex with an existing sidewalk on the north side of the Town's center at Austin Road and link South Main Street with the intersection of Main and Elm Streets. Services included survey, design, permitting, public outreach, ROW, utility coordination, bid phase assistance, and construction services. Permitting included CE documentation and Section 106. The project was randomly selected by FHWA for federal audit and found to be in full compliance.



CONVERSE ROAD BRIDGE, TEMPLE. D&K provided construction administration and observation as well as study, engineering, and bid phase services for Bridge No. 110/141. D&K completed an alternatives evaluation and recommended replacement of the 18-ft-long corrugated metal arch with stone headwalls. D&K also provided permitting assistance and prepared final engineering plans and specifications. The replacement is a 24-ft precast concrete arch.



SRTS SIDEWALKS, CLAREMONT. D&K provided construction administration and observation as well as design, permitting, and bid phase services for 1,500 linear feet of sidewalk in downtown Claremont. The LPA project's elements include installation of ADA tip-downs and detectable warning surfaces, and replacement of selected sections of sidewalk on Belding Street from North Street to Hanover Street and the north side of Myrtle Street from Forest Street to Tyler Street. D&K's services include preliminary and final design, public meetings, and bid phase assistance.



ARCHERTOWN ROAD BRIDGE, ORFORD. D&K provided construction administration and observation as well as study, permitting, design, and bid phase services to replace a crossing with insufficient hydraulic capacity and a history of scour damage. The previous bridge's deficiencies included a low load carrying capacity (6-ton) weight restriction, single lane bridge width, and failing stone headwalls and wingwalls. D&K observed contractor activities during replacement of the 28-ft-span, 3-sided, precast rigid frame structure and its approaches. This project followed the NHDOT Municipal Bridge Aid Process.



LILAC BRIDGE, HOOKSETT. D&K provided construction administration and observation for replacement of a failing 490-ft former vehicle and wastewater utility bridge over the Merrimack River. The project was completed under a compressed timeframe and included eight separate stakeholder groups holding jurisdiction over the project. The completed project is a prefabricated steel truss that mimics the appearance of the original historic truss. D&K managed coordination and moderated conflicts between these groups throughout this complex project's design and construction phases. *The project received a 2020 Silver Award for Engineering Excellence from ACEC-NH.*



4 SBA PROJECTS, 1 PEDESTRIAN CROSSING PROJECT, AND 1 STATE AID HIGHWAY PROJECT, BOW. D&K is providing construction administration, observation, evaluation, design, and permitting for a range transportation projects including replacement of the Birchdale, Page, and River Road Bridges, rehabilitation of the Dunklee Road Bridge, installation of a high-intensity activated crosswalk beacon (HAWK Beacon) on NH 3A, and installation of a new signalized intersection of NH 3A and Dunklee Road. Birchdale Road Bridge and the NH 3A HAWK Beacon have been completed and the Dunklee Road Bridge and Intersection projects are in the construction phase. Page and River Road Bridges are advancing through design phases. D&K has served as Bow's Town Engineer since 2011.



VILLAGE COMMON COVERED BRIDGE REHABILITATION, WENTWORTH. Wentworth, NH, and the NHDOT faced a complex situation: a circa-1909, irreparable, 96-foot-long, steel truss bridge over the Baker River was to be removed, rerouting school children and others along an unprotected shoulder on NH 25. Concurrently, the client found a freely available, but longer, 106-foot covered bridge at an active demolition site. Rapidly, under a small, uncertain budget, DuBois & King designed shoring and historic rehabilitation for transport of the bridge to be placed on modified abutments. The team observed construction activities and provided resident engineering for this unusual project. Removal of the existing bridge and modification of the abutments were completed using SBA funding. *The project received awards from PlanNH, ACEC-NH and SENH.*

MARLBOROUGH STREET RECONSTRUCTION, KEENE. D&K is providing construction administration and observation, evaluation, study, design, and permitting for a two-phase project that reconstructs utilities, resurfaces the roadway, installs chicanes to calm traffic, and completes appurtenant pedestrian connectivity improvements. The project is located in a mixed-use urban context and requires significant coordination with a large number of abutters as well as City staff. The municipally-funded utility reconstruction is completed and the TAP-funded roadway portion is in the design phase.



NH 12A BRIDGE OVER NH RR, LEBANON. DuBois & King studied existing conditions, reviewed work by another Consultant and Value Engineered (VE) the design of a new bridge replacement. Three (3) alternatives have been developed for replacement of Bridge 062/117 which carries NH 12A (S. Main Street) over the NH Railroad. Currently posted for 20 tons, the circa-1949 bridge is composed of a 145-ft-long, 27-ft-8-in-wide, 3-span steel stringer superstructure with a concrete deck. The substructure consists of pile-supported abutments and pile bents. Firm services include assessment of existing conditions, assessment of previous alternatives/design, development of alternatives concepts, and completion of a narrative report summarizing this information. The preferred alternative is a 63-foot-long steel stringer with concrete deck superstructure on skewed abutments. The opinion of probable cost for the VE alternative is \$7M, a \$3M reduction in cost from the original concept.



ROAD DIET PAINTED PEDESTRIAN FACILITIES, KEENE. D&K provided construction observation, study, and design for a SRTS project that implemented the first residential area road diet in New Hampshire. Located adjacent to Keene's schools, the project provided a practical, low-cost alternative that enhances safety of students walking to local schools and encourages others to travel by foot. The project included striping and signage throughout the neighborhood, which was developed with wide travel lanes but few sidewalks.



NH 113 BRIDGE REPLACEMENT, (ABC), NHDOT, TAMWORTH. For the NHDOT, D&K completed study, evaluation, and design for an accelerated bridge project that resulted in the longest single-span bridge in the state, which was constructed within a short closure period. The 133-ft-long bridge uses precast box beams and carries NH 113 over the Bearcamp River. Tamworth's Fire Department is located near the bridge and a compressed closure was essential to reducing the period in which the Fire Department would have to compromise its response time to nearby incidents. The project was successfully completed within the planned 28-day closure.

